

CLAIM AMENDMENTS

IN THE CLAIMS:

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1.-24. (Cancelled)

25. (Currently Amended) An implant material injection system adapted for performing a percutaneous vertebroplasty procedure comprising:

a remote actuator;

a pump comprising a piston and a drive chamber, the pump having a distal end adapted to connect with a cannula, the drive chamber adapted to hold implant material, the piston adapted to drive the implant material through the distal end of the drive chamber to an implant site;

a control line connecting the remote actuator and the pump, the control line engaging a piston head and adapted to advance the piston; and

wherein the implant material comprises a flowable hard tissue implant material.

26. (Previously Presented) The system of Claim 25 wherein the control line comprises a fluid column adapted to advance the piston.

27. (Previously Presented) The system of Claim 26 wherein the control line has a length of about one foot.

28. (Previously Presented) The system of Claim 26 wherein the control line has a length of about 36 inches.

29. (Previously Presented) The system of Claim 26 wherein the control line has a length of at least 36 inches.

30. (Previously Presented) The system of Claim 26 wherein the control line has a length of about 48 inches.

31. (Previously Presented) The system of Claim 26 wherein the control line has a length greater than 48 inches.

32. (Previously Presented) The system of Claim 26 further comprising a cannula removably connected with the distal end of the drive chamber.

33. (Previously Presented) The system of Claim 25 further comprising an implant material reservoir connected with the pump, the pump adapted to draw implant material from the material reservoir into the drive chamber.

34. (Previously Presented) The system of Claim 25 wherein the implant material comprises Polymethylmethacrylate.

35. (New) An implant material injection system for performing a percutaneous vertebroplasty procedure comprising:

a remote actuator;

a pump comprising a piston and a drive chamber, wherein the pump is connected with a cannula at a pump distal end;

a control line connecting the remote actuator and the pump, wherein the control line is linked to the piston and comprises means for advancing the piston to drive an implant material through a drive chamber distal end to an implant site; and

wherein the implant material comprises a flowable hard tissue implant material.